

Recreational Interpretations

General

The purpose of these interpretative ratings are to help engineers, planners, and others understand how soil properties influence behavior when used for recreational uses such as camp areas, picnic areas, playgrounds, and paths and trails. Soils are rated for the uses expected to be important or potentially important to users of soil survey information. Ratings for proposed uses are given in terms of limitations. Only the most restrictive features are listed. Other features may need to be treated to overcome soil limitations for a specific purpose.

Soils are rated in their "natural" state, that is, no unusual modification of the soil site or material is made other than that which is considered normal practice for the rated use. Even though soils may have limitations, it is important to remember that engineers and others can modify soil features or can design or adjust the plans for a recreational use to compensate for most degrees of limitations. Most of these practices are costly. The final decision in selecting a site for a particular use generally involves weighing the costs for site preparation and maintenance.

Limitation Ratings

SLIGHT - is the rating given soils that have properties favorable for the use. The degree of limitation is minor and can be overcome easily. Good performance and low maintenance can be expected.

MODERATE - is the rating given soils that have properties moderately favorable for the use. This degree of limitation can be overcome or modified by special planning, design, or maintenance. During some part of the year, the expected performance is less desirable than for soils rated slight.

SEVERE - is the rating given soils that have one or more properties unfavorable for the rated use, such as steep slopes, bedrock near the surface, flooding, or a seasonal high water table. This degree of limitation generally requires major soil reclamation, special design, or intensive maintenance, which in most situations is difficult and costly.

Other important consideration for evaluating a site include:

- ✓ Location and accessibility of the area
- ✓ Size and shape of the area and its scenic quality
- ✓ The ability of the soil to support vegetation
- ✓ Access to water
- ✓ Potential water impoundment sites available
- ✓ Access to public sewer lines or capacity of the soil to absorb septic tank effluent.

Camp Areas

These are tracts of land used intensively as sites for tents, trailers, campers, and accompanying activities of outdoor living. Camp areas require such site preparation as shaping and leveling in areas for tents and parking areas, for stabilizing roads and intensively used areas, and for installing sanitary facilities and utility lines. Camp areas

are subject to heavy foot traffic and some vehicular traffic. The soils are rated on the basis of soil properties that influence the ease of developing camping area and the performance of the camping area after development. Soil properties that influence trafficability and promote the growth of vegetation after heavy use are also important.

Picnic Areas

Picnic areas are natural or landscaped tracts used primarily for preparing meals and eating outdoors. These areas are subject to heavy foot traffic. Most vehicular traffic is confined to access roads and parking lots. Soils are rated on the basis of properties that influence development costs of shaping the site, trafficability, and growth of vegetation after development. The surface of picnic areas should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

Playgrounds

These are areas used intensively for games such as baseball, football, and similar activities. Playgrounds require a nearly level soil that is free of stones and that can withstand heavy foot traffic and still maintain adequate vegetation. Soils are rated on the basis of properties that influence cost of shaping, trafficability, and growth of vegetation. Slope and stoniness are the main concerns in developing playgrounds. For good trafficability, the surface of playgrounds should absorb rainfall readily, remain firm under heavy foot traffic, and not be dusty when dry.

Paths and Trails

Paths and trails are used for walking, horseback riding, and similar uses, and should require little or no cutting and filling in site preparation. Soils are rated on properties that influence trafficability and erodibility. Paths and trails should remain firm under foot traffic and not be dusty when dry.

This subsection includes:

- **Recreational Site Development**

Recreational Development

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable)

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
15002: McGirk-----	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
60001, 60002: Menfro-----	Slight	Slight	Severe: slope	Slight	Slight
60003: Menfro-----	Moderate: slope	Moderate: slope	Severe: slope	Severe: erodes easily	Moderate: slope
60004: Menfro-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily	Severe: slope
60005: Menfro-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily slope	Severe: slope
60006: Marion-----	Severe: percs slowly wetness	Severe: percs slowly	Severe: percs slowly wetness	Moderate: wetness	Moderate: wetness
60007: Menfro-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily slope	Severe: slope
Gatewood-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope small stones
64000: Raccoon-----	Severe: flooding wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
64001: Freeburg-----	Severe: flooding wetness	Moderate: wetness percs slowly	Severe: wetness	Moderate: wetness	Moderate: wetness
64002: Freeburg-----	Severe: wetness	Moderate: wetness percs slowly	Severe: wetness	Moderate: wetness	Moderate: wetness
64003: Freeburg-----	Severe: wetness	Moderate: wetness percs slowly	Severe: slope wetness	Moderate: wetness	Moderate: wetness
66003: Jemerson-----	Severe: flooding	Slight	Slight	Slight	Slight

Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
66004: Dockery-----	Severe: flooding	Moderate: flooding wetness	Severe: flooding	Moderate: flooding wetness	Severe: flooding
66005: Deible-----	Severe: flooding percs slowly wetness	Severe: percs slowly wetness	Severe: wetness percs slowly	Severe: wetness	Severe: wetness
66006: Waldron-----	Severe: flooding wetness	Moderate: percs slowly wetness	Severe: wetness	Moderate: wetness	Moderate: flooding wetness
66007: Leta-----	Severe: flooding too clayey wetness	Severe: too clayey	Severe: too clayey wetness	Severe: too clayey	Severe: too clayey
66008: Leta-----	Severe: flooding wetness	Moderate: percs slowly wetness	Severe: wetness	Moderate: wetness	Moderate: flooding wetness
66009: Haynie-----	Severe: flooding	Slight	Moderate: flooding	Slight	Moderate: flooding
66010: Sarpy-----	Severe: flooding too sandy	Severe: too sandy	Severe: flooding too sandy	Severe: too sandy	Severe: flooding
66011: Moville-----	Severe: flooding percs slowly	Severe: wetness percs slowly	Moderate: flooding wetness	Moderate: wetness	Moderate: flooding wetness
66012: Blake-----	Severe: flooding	Moderate: flooding wetness	Severe: flooding	Moderate: flooding	Severe: flooding
66013: Waldron-----	Severe: flooding wetness	Moderate: percs slowly wetness	Severe: wetness	Moderate: wetness	Moderate: wetness
70028: Moko-----	Severe: depth to rock	Severe: depth to rock	Severe: slope small stones depth to rock	Moderate: large stones too stony	Severe: depth to rock
Rock outcrop.					
70029: Moko-----	Severe: slope depth to rock	Severe: slope depth to rock	Severe: slope small stones depth to rock	Severe: slope	Severe: slope depth to rock

Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
70029: Rock outcrop.					
73035: Gravois-----	Moderate: percs slowly slope wetness	Moderate: percs slowly slope wetness	Severe: slope	Severe: erodes easily	Moderate: slope wetness
73088: Rueter-----	Severe: small stones	Severe: small stones	Severe: slope small stones	Moderate: large stones	Severe: small stones
73089: Rueter-----	Severe: slope small stones	Severe: slope small stones	Severe: slope small stones	Severe: slope	Severe: slope small stones
73090: Useful-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Severe: slope	Slight	Slight
73091: Useful-----	Moderate: percs slowly slope wetness	Moderate: percs slowly slope wetness	Severe: slope	Severe: erodes easily	Moderate: slope
73092, 73093: Gatewood-----	Severe: small stones	Severe: small stones	Severe: slope small stones	Moderate: wetness	Severe: small stones
73094: Gatewood-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope
73095: Gravois-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily	Severe: slope
73096: Swiss-----	Severe: percs slowly	Severe: percs slowly	Severe: percs slowly slope small stones	Slight	Moderate: slope small stones
73097: Swiss-----	Severe: percs slowly slope	Severe: percs slowly slope	Severe: percs slowly slope small stones	Severe: slope	Severe: slope
73098: Plato-----	Severe: percs slowly wetness	Severe: percs slowly	Severe: percs slowly wetness	Moderate: wetness	Moderate: wetness droughty

Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
73099: Plato-----	Severe: percs slowly wetness	Severe: percs slowly	Severe: percs slowly slope wetness	Moderate: wetness	Moderate: wetness droughty
73100: Wrengart-----	Moderate: wetness percs slowly	Moderate: wetness percs slowly	Moderate: slope wetness percs slowly	Slight	Slight
73101, 73102: Wrengart-----	Moderate: wetness percs slowly	Moderate: wetness percs slowly	Severe: slope	Slight	Slight
73103: Wrengart-----	Moderate: slope wetness percs slowly	Moderate: slope wetness percs slowly	Severe: slope	Severe: erodes easily	Moderate: slope
73104: Wrengart-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily	Severe: slope
73105: Wrengart-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily slope	Severe: slope
Gatewood-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope
73106: Mariosa-----	Severe: percs slowly wetness	Severe: percs slowly wetness	Severe: percs slowly wetness	Severe: wetness	Severe: wetness
73107: Wrengart-----	Moderate: wetness percs slowly	Moderate: wetness percs slowly	Severe: slope	Slight	Slight
Swiss-----	Severe: percs slowly	Severe: percs slowly	Severe: percs slowly slope small stones	Slight	Moderate: small stones
73108: Gravois-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Severe: slope	Moderate: wetness	Moderate: wetness
Gatewood-----	Moderate: small stones wetness percs slowly	Severe: small stones wetness percs slowly	Severe: slope small stones	Moderate: wetness	Moderate: small stones wetness depth to rock

Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
73109: Alred-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope
73110: Gravois-----	Severe: slope	Severe: slope	Severe: slope	Severe: erodes easily slope	Severe: slope
Gatewood-----	Severe: slope	Severe: slope	Severe: slope small stones	Severe: slope	Severe: slope
73112: Gunlock-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Severe: slope	Moderate: wetness	Moderate: wetness
73135: Union-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Severe: slope	Moderate: wetness	Moderate: wetness
74633: Hartville-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Moderate: percs slowly slope wetness	Moderate: wetness	Moderate: wetness
74634: Hartville-----	Moderate: percs slowly wetness	Moderate: percs slowly wetness	Severe: slope	Moderate: wetness	Moderate: wetness
74635: Tanglenook-----	Severe: flooding too clayey wetness	Severe: too clayey wetness	Severe: too clayey wetness	Severe: too clayey wetness	Severe: too clayey wetness
75376: Cedargap-----	Severe: flooding	Moderate: flooding small stones	Severe: flooding small stones	Moderate: flooding	Severe: flooding
75391: Possumtrot-----	Severe: flooding	Slight	Moderate: flooding	Slight	Moderate: flooding
75395: Jamesfin-----	Severe: flooding	Slight	Moderate: flooding	Slight	Moderate: flooding
75398: Kaintuck-----	Severe: flooding	Moderate: flooding	Severe: flooding	Moderate: flooding	Severe: flooding
75399: Jamesfin-----	Severe: flooding	Moderate: flooding	Severe: flooding	Moderate: flooding	Severe: flooding

Recreational Development--Continued

Map symbol and soil name	Camp areas	Picnic areas	Playgrounds	Paths and trails	Golf fairways
75400: Gladden-----	Severe: flooding	Moderate: flooding	Severe: flooding	Moderate: flooding	Severe: flooding
75407: Gabriel-----	Severe: flooding wetness	Moderate: percs slowly wetness	Severe: wetness	Moderate: wetness	Moderate: wetness
99000. Pits, quarries					
99001. Water					
99003. Miscellaneous water					